



Figure 1
Biocular EPE

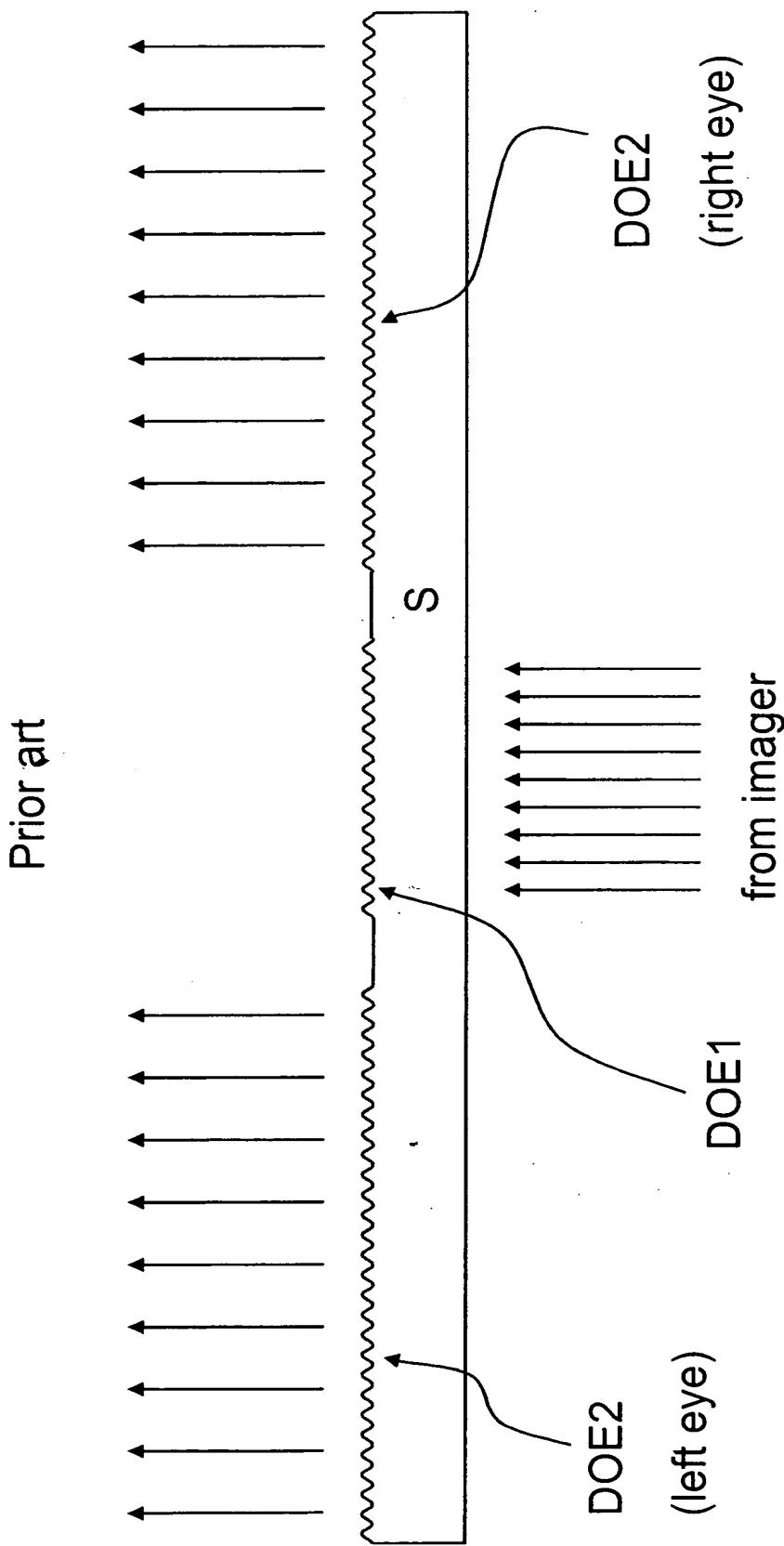


Figure 2
Biocular EPE

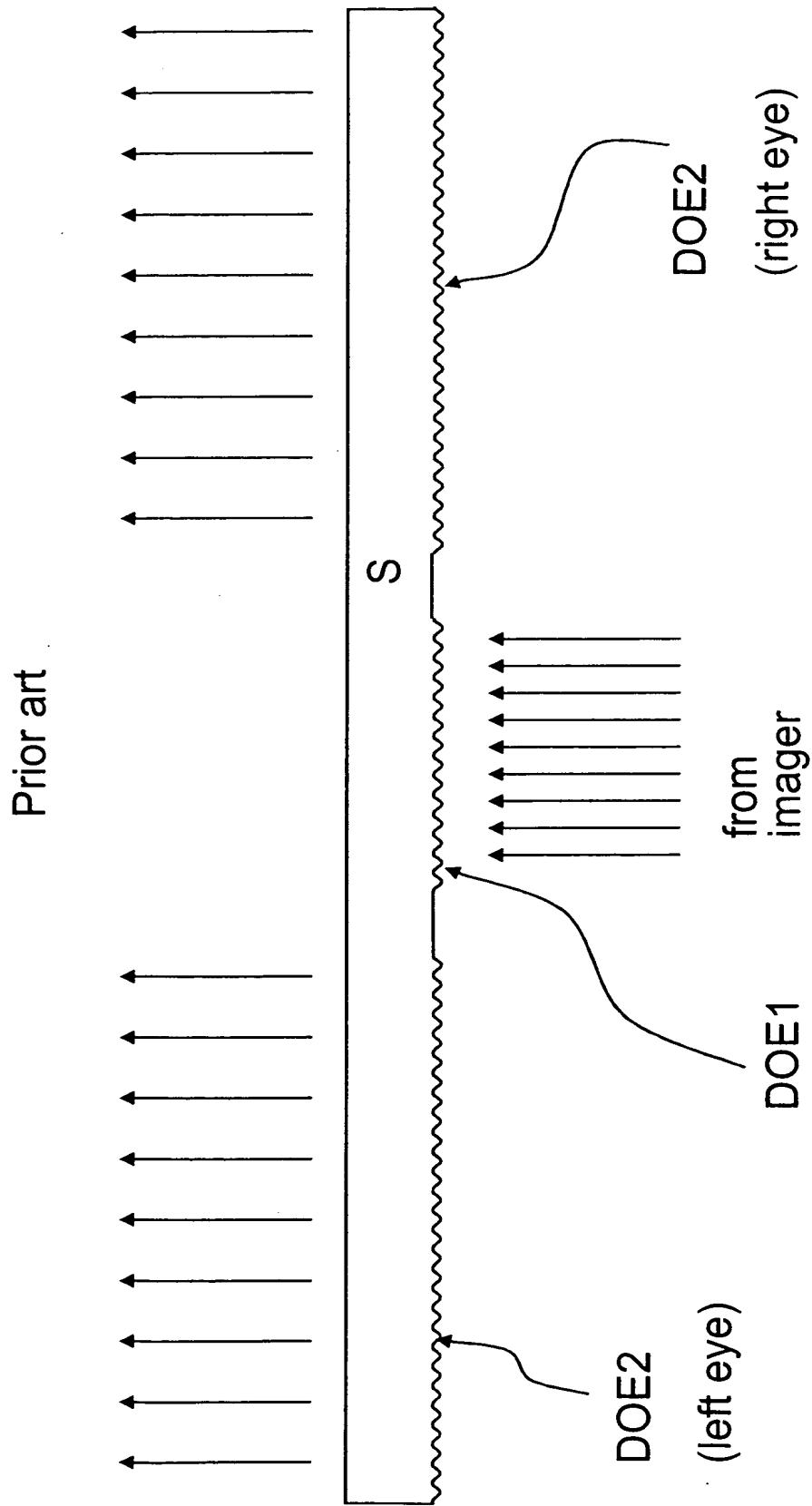


Figure 3
Continuous grating with symmetric period profile

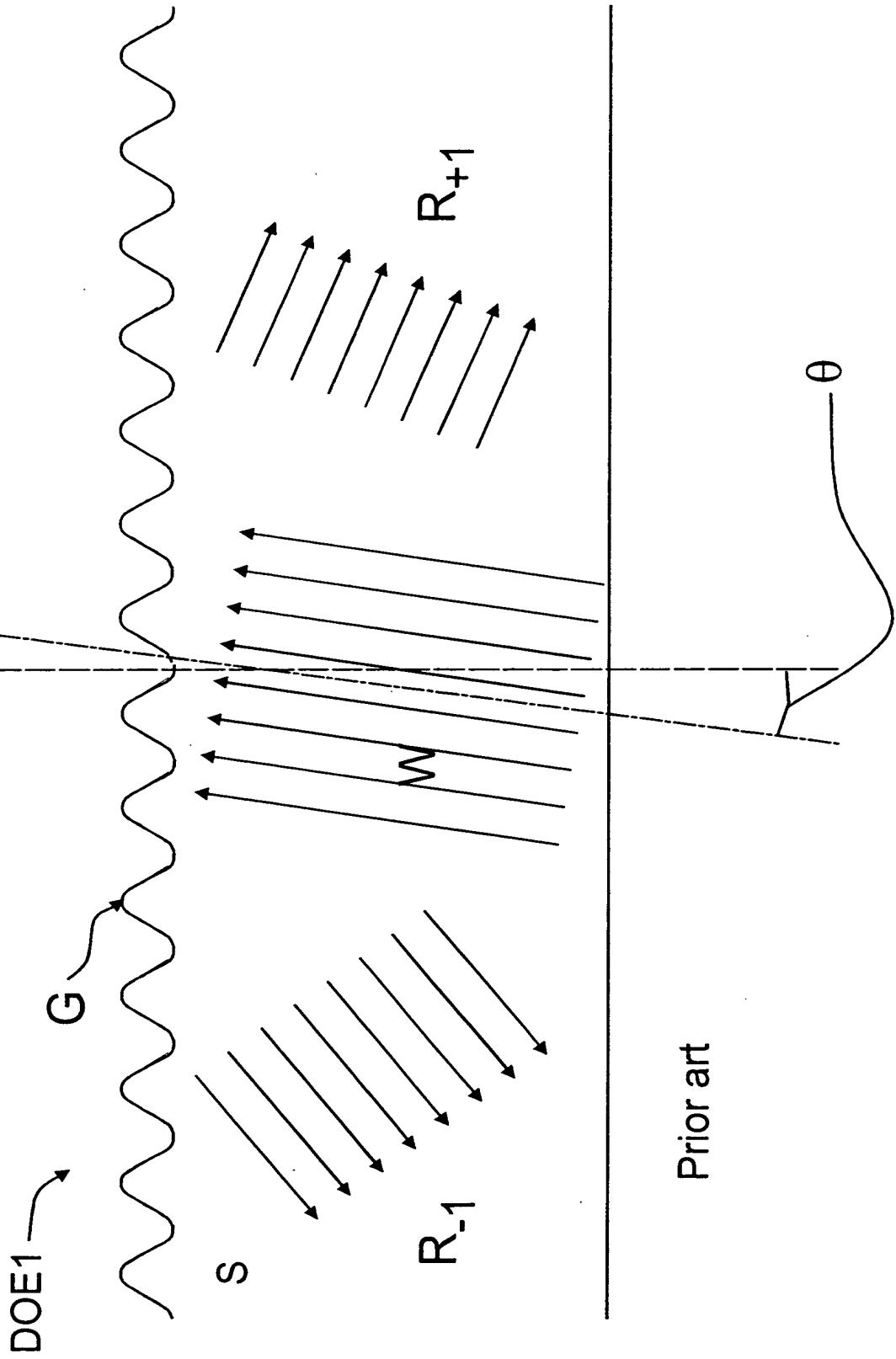


Figure 4

Angular dependency
Profile = $A^* \sin(2\pi x/d)$

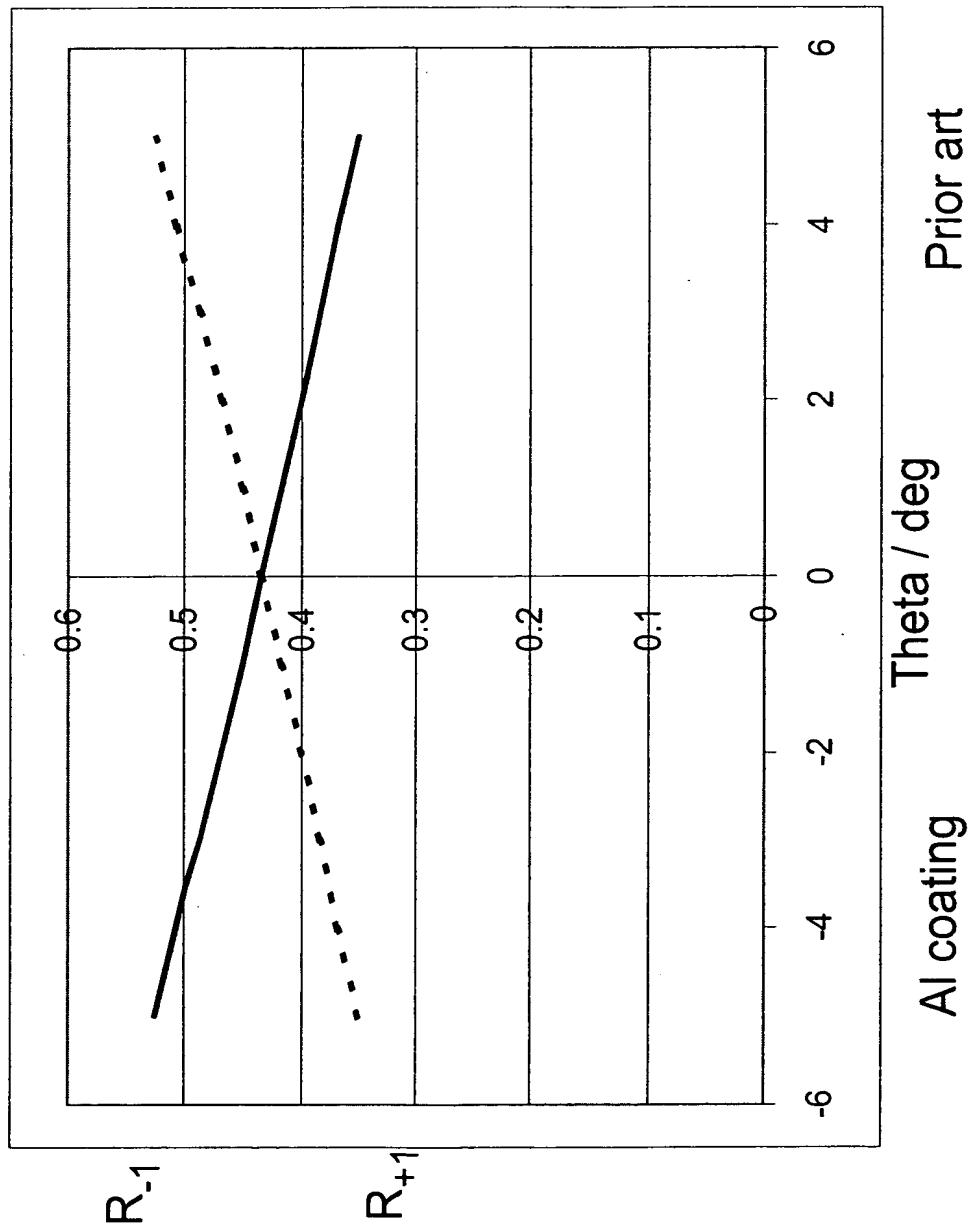


Figure 5
Continuous grating with asymmetric period profile

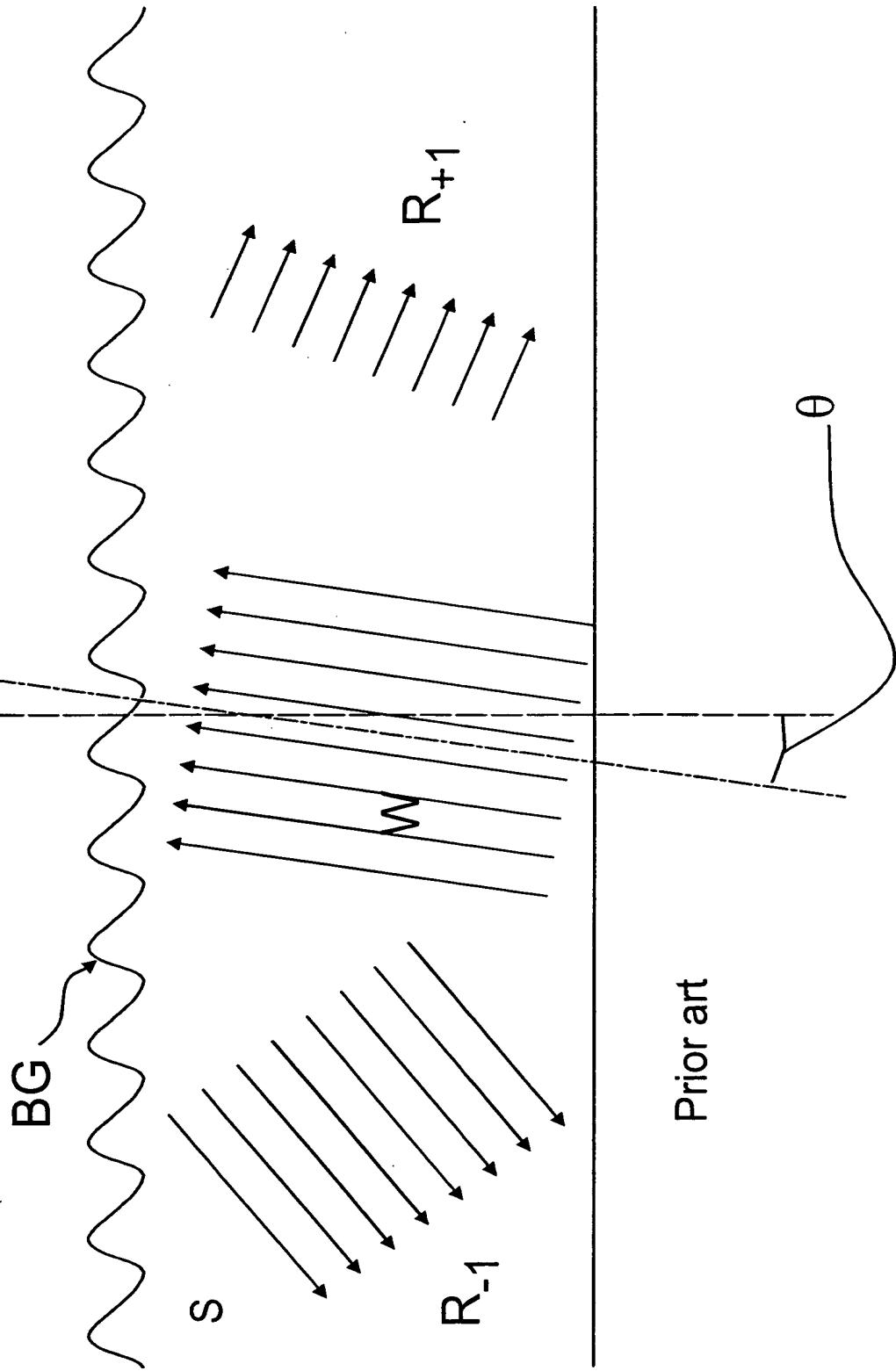


Figure 6
Symmetrically splitted grating with asymmetric period profile

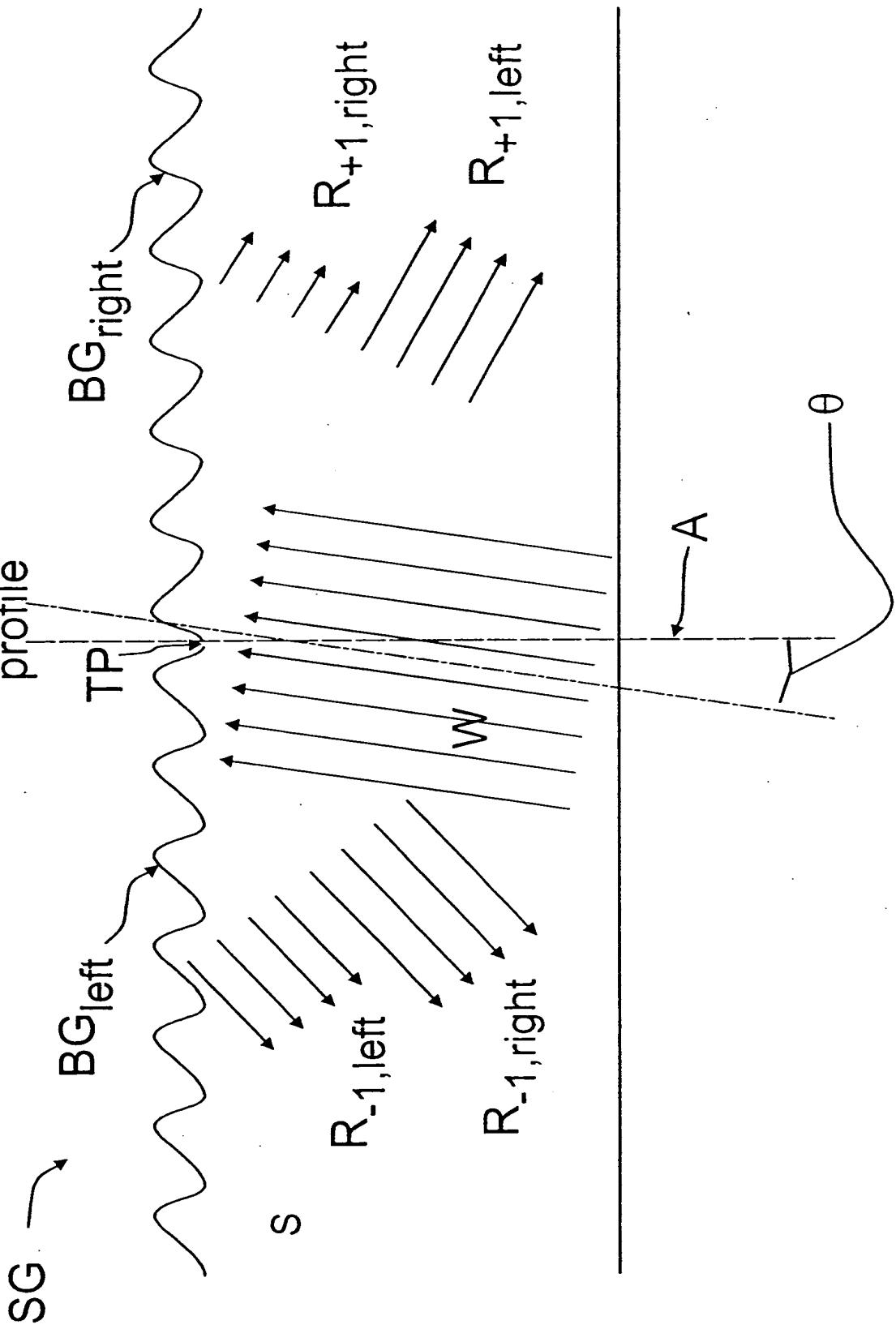


Figure 7
Symmetrically splitted grating with beam shift

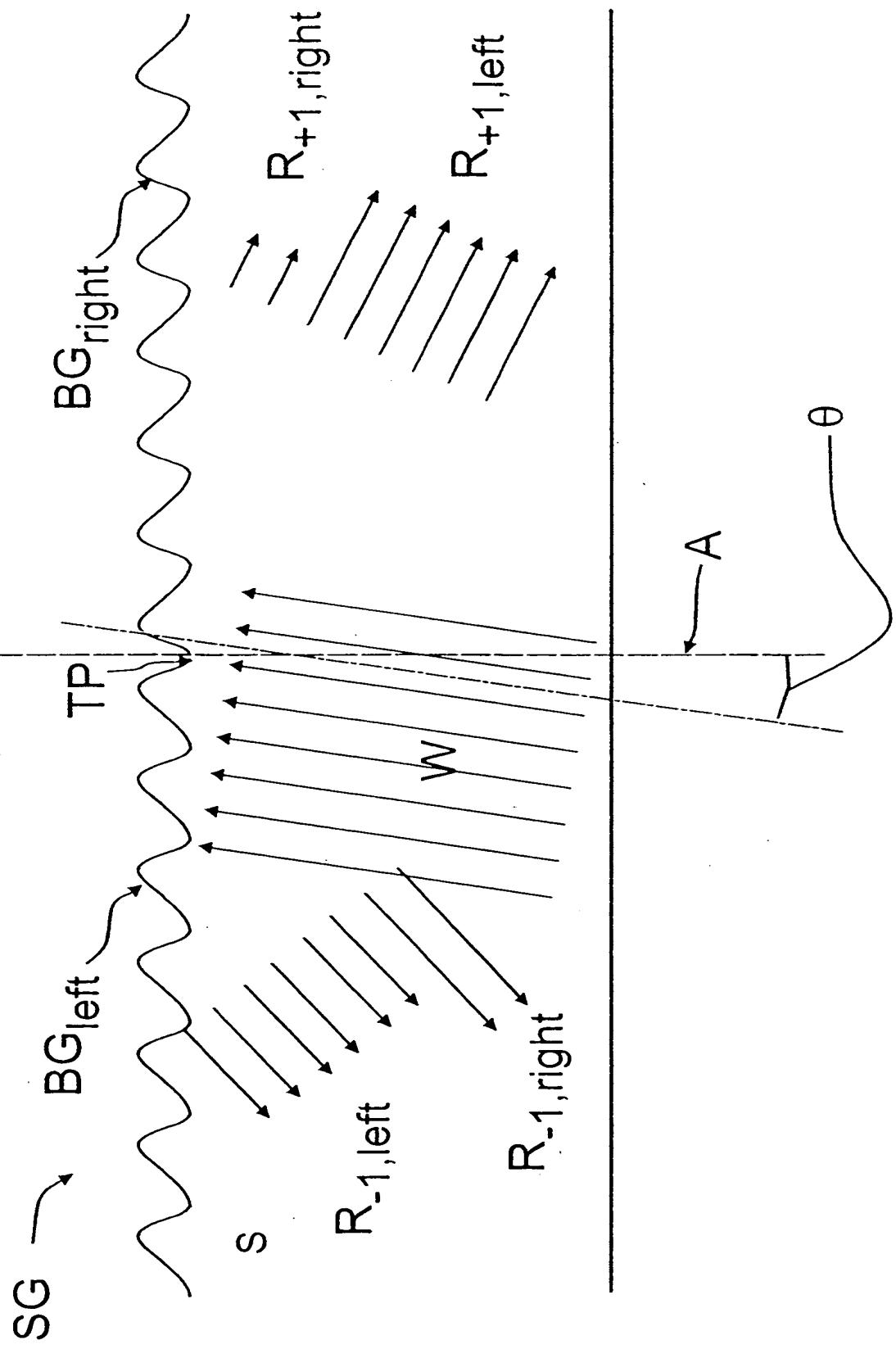


Figure 8
Beam shifting, center

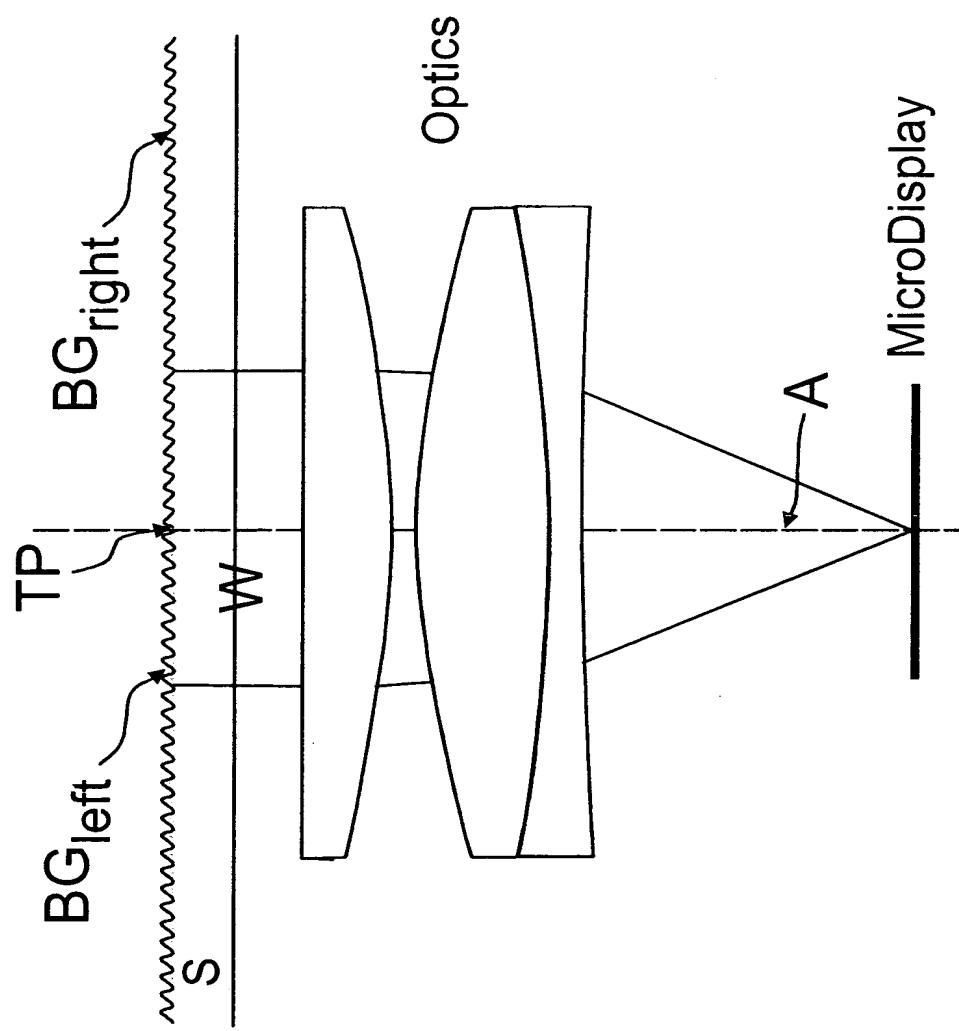
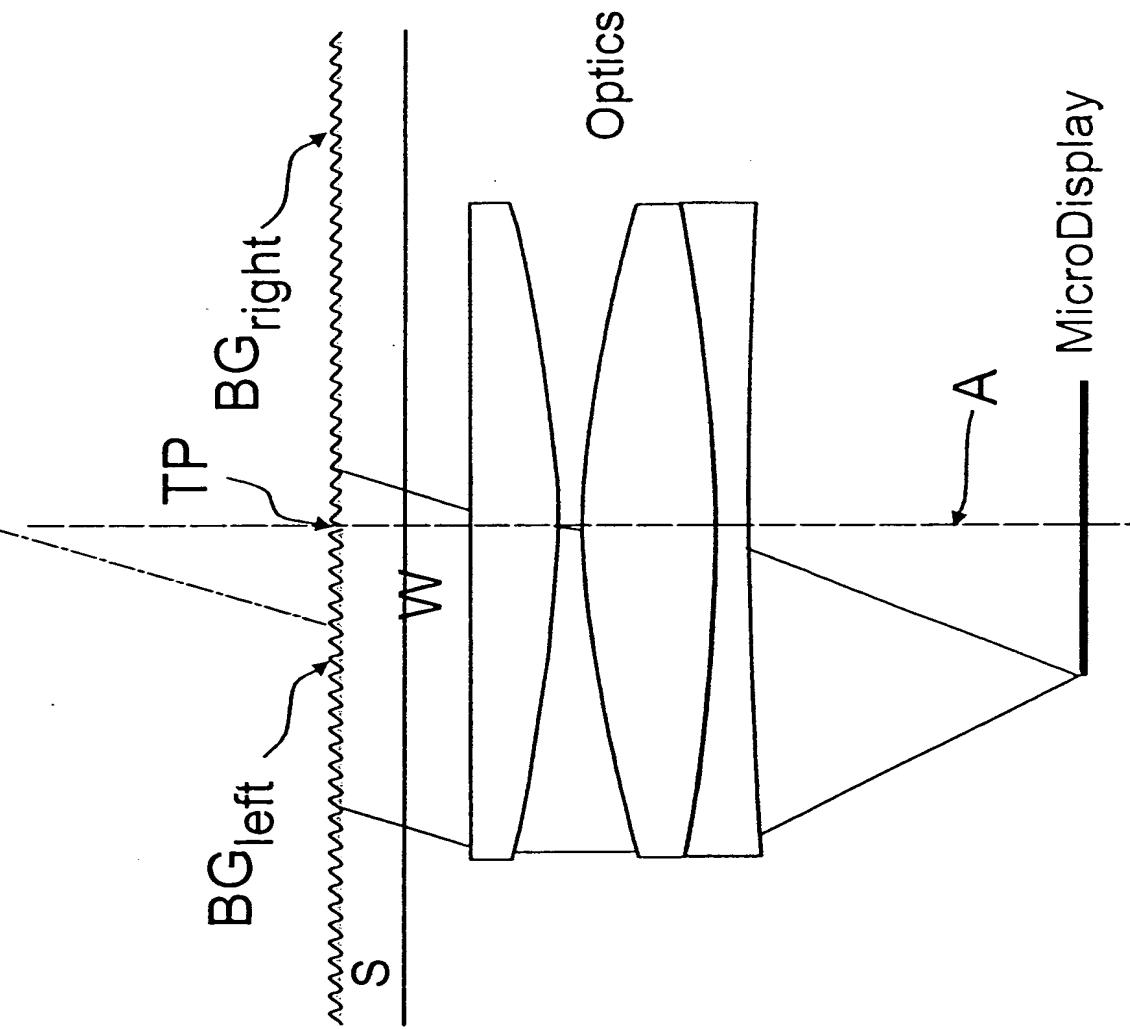


Figure 9
Beam shifting, at the edge



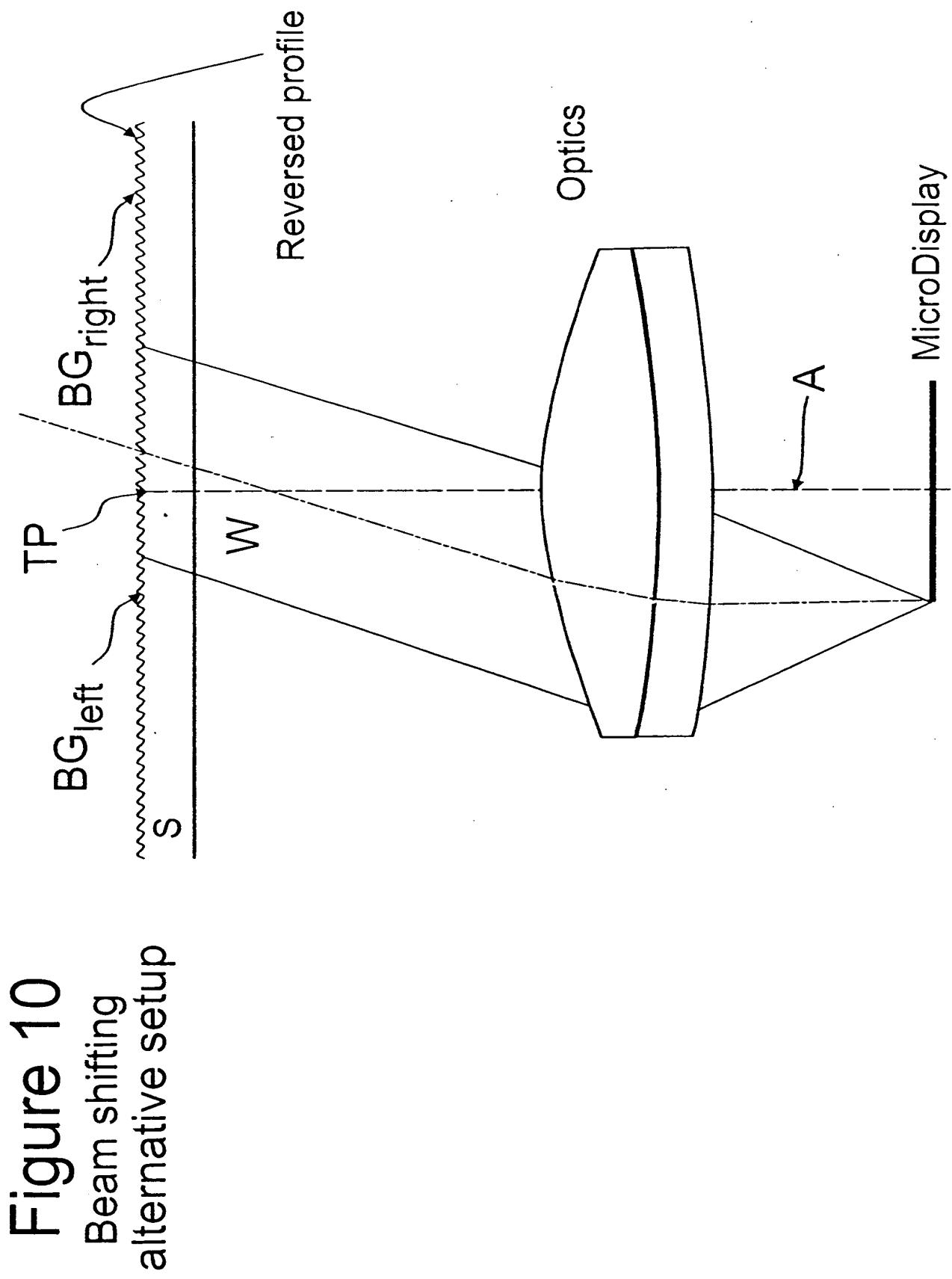
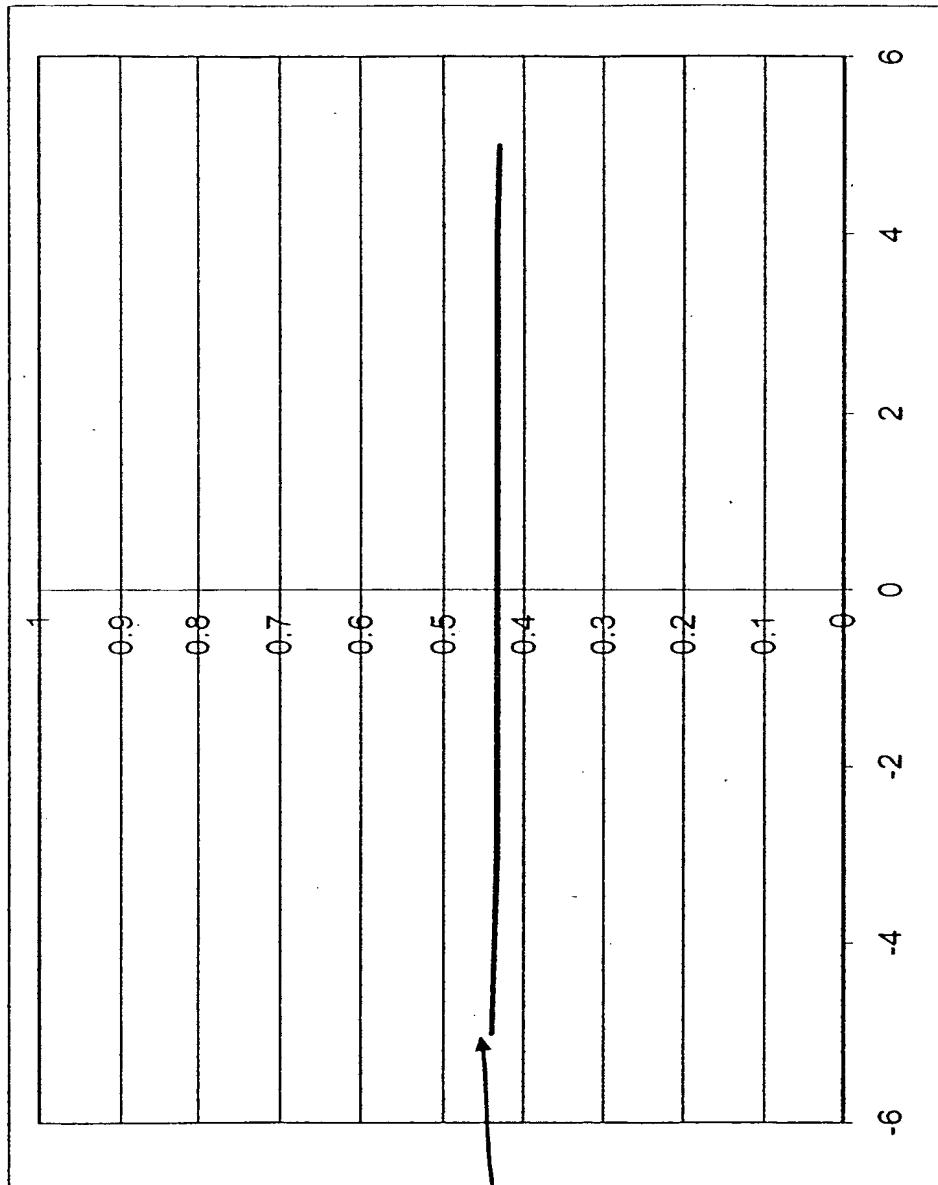


Figure 11

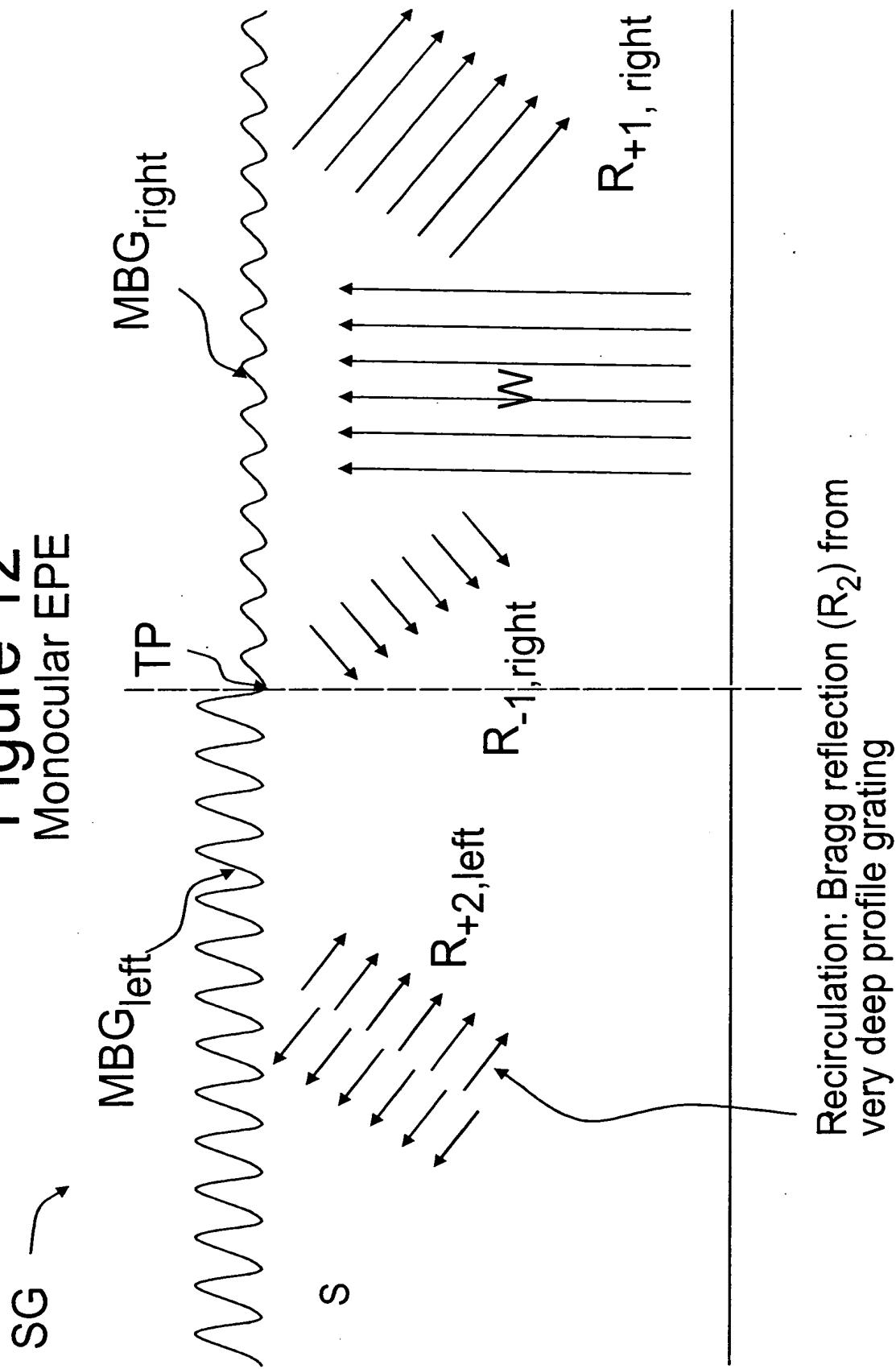
Compensation of Angular dependence

$$\text{Profile} = A^*[\sin(2\pi x/d) + 0.25\sin(4\pi x/d) + 0.05\sin(6\pi x/d)]$$



$$\eta = (0.5 - k\theta) R_{+1}(-\theta) + (0.5 + k\theta) R_{-1}(\theta) \quad \text{Theta / deg} \quad \text{Al coating}$$

Figure 12
Monocular EPE



Recirculation: Bragg reflection (R_2) from
very deep profile grating

Coupling Efficiency as a function of grating depth

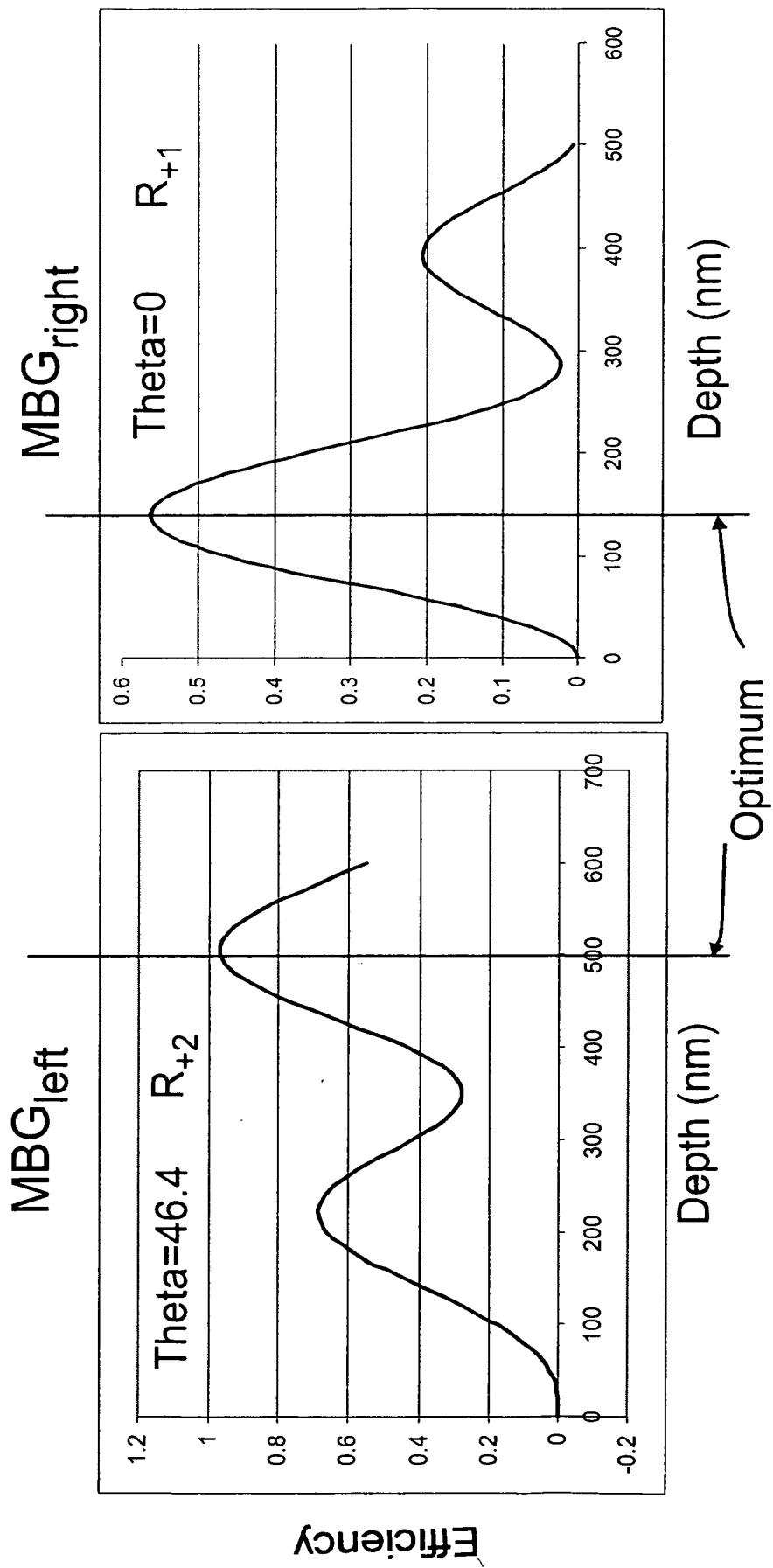


Figure 13a

Figure 13b